

WHAT WE CLAIM IS:

1. A torque transmission device, comprising:
 - an engine and a motor for generating driving torque;
 - an output shaft outputting the driving torque;
 - a planetary gear mechanism including a first rotating element rotating together with the engine, and a second rotating element connected to the motor, and a third rotating element connected to the motor;
 - a primary clutch selectively transmitting rotation of the second rotating element to the output shaft;
 - a secondary clutch selectively transmitting rotation of the third rotating element to the output shaft;
 - a primary brake selectively stopping the rotation of the third rotating element; and
 - a secondary brake selectively stopping the rotation of the second rotating element.

2. A torque transmission device, according to claim 1, wherein the planetary gear mechanism is a double-pinion type planetary gear mechanism, the first rotating element corresponds to a sun gear, the second rotating element corresponds to a carrier, and the third rotating element corresponds to a ring gear.